OIPE

RAW SEQUENCE LISTING   DATE: 05/16/2001
PATENT APPLICATION: US/09/848,832 TIME: 14:50:52

ENTERED

Input Set : A:\HO001-NP002 SEQLIST.TXT
Output Set: N:\CRF3\05162001\I848832.raw

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         4 <110> APPLICANT: Hooper, Douglas
         5        Dietzschold, Bernhard
         7 <120> TITLE OF INVENTION: RABIES VIRUS-SPECFIC NEUTRALIZING HUMAN
         8        MONOCLONAL ANTIBODIES AND NUCLEIC ACIDS AND RELATED METHODS
        11 <130> FILE REFERENCE: HO001.NP0002
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/848,832
C--> 13 <141> CURRENT FILING DATE: 2001-05-04
        13 <150> PRIOR APPLICATION NUMBER: 60/204,518
        14 <151> PRIOR FILING DATE: 2000-05-16
        16 <160> NUMBER OF SEQ ID NOS: 8
        18 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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        21 <211> LENGTH: 1430
        22 <212> TYPE: DNA
        23 <213> ORGANISM: Homo sapien
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        28 tcctgtgcag cctctggatt caccttagc aactatgcca tgagctgggt ccgccaggct   180
        29 ccagggaagg ggctggagtg ggtctcagct attagtgcta gtggtcatag cacatatttg   240
        30 gcagactccg tgaagggccg gttcaccatc tccagagaca attccaagaa cacgctgtat   300
        31 ctgcaaatga acagcctgag agccgaggac acggccgtat attactgtgc gaaagatcga   360
        32 gaggttacta tgatagttgt acttaatgga ggctttgact actggggcca gggaacccgg   420
        33 gtcaccgtct cctccgcctc caccaagggc ccatcggtct tccccctggc accctcctcc   480
        34 aagagcacct ctgggggcac agcggccctg ggctgcctgg tcaaggacta cttccccgaa   540
        35 ccggtgacgg tgtcgtggaa ctcaggcgcc ctgaccagcg gcgtgcacac cttcccggct   600
        36 gtcctacagt cctcaggact ctactccctc agcagcgtgg tgaccgtgcc ctccagcagc   660
        37 ttgggcaccc agacctacat ctgcaacgtg aatcacaagc ccagcaacac caaggtggac   720
        38 aagagagttg agcccaaatc ttgtgacaaa actcacacat gcccaccgtg cccagcacct   780
        39 gaactcctgg gggaccgtc agtcttcctc ttccccccaa aacccaagga cacccttcatg  840
        40 atctcccgga cccctgaggt cacatgcgtg gtggtggacg tgagccacga agaccctgag   900
        41 gtcaagttca actggtacgt ggacggcgtg gaggtgcata atgccaagac aaagccgcgg   960
        42 gaggagcagt acaacagcac gtaccgtgtg gtcagcgtcc tcaccgtcct gcaccaggac  1020
        43 tggctgaatg gcaaggagta caagtgcaag gtctccaaca aagccctccc agccccatc  1080
        44 gagaaaacca tctccaaagc caaagggcag ccccgagaac cacaggtgta caccctgccc  1140
        45 ccatcccggg aggagatgac caagaaccag gtcagcctga cctgcctggt caaaggcttc  1200
        46 tatcccagcg acatcgccgt ggagtgggag agcaatgggc agccggagaa caactacaag  1260
        47 accacgcctc ccgtgctgga ctccgacggc tccttcttcc tctatagcaa gctcaccgtg  1320
        48 gacaagagca ggtggcagca ggggaacgtc ttctcatgct ccgtgatgca tgaggctctg  1380
        49 cacaaccact acacgcagaa gagcctctcc ctgtccccgg gtaaatgagt            1430
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        52 <211> LENGTH: 708
        53 <212> TYPE: DNA
        54 <213> ORGANISM: Homo sapien
        56 <400> SEQUENCE: 2
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        58 ggagaaattg tgttgacaca gtctccagcc accctgtctt tgtctccagg ggaaagagcc   120
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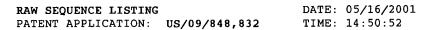
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61 gccaggttca gtggcagtgg gtctgggaca gacttcactc tctccatcag cagcctggag    300
62 cctgaagatt ttgcagttta ttactgtcag cagcgtttca actggccgtg gacgttcggc    360
63 caagggacca aggtggaatt caaacgaact gtggctgcac catctgtctt catcttcccg    420
64 ccatctgatg agcagttgaa atctggaact gcctctgttg tgtgcctgct gaataacttc    480
65 tatcccagag aggccaaagt acagtggaag gtggataacg ccctccaatc gggtaactcc    540
66 caggagagtg tcacagagca ggacagcaag gacagcacct acagcctcag cagcaccctg    600
67 acgctgagca aagcagacta cgagaaacac aaagtctacg cctgcgaagt cacccatcag    660
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71 <211> LENGTH: 474
72 <212> TYPE: PRT
73 <213> ORGANISM: Homo sapien
75 <400> SEQUENCE: 3
76 Met Glu Phe Gly Leu Ser Trp Leu Phe Leu Val Ala Ile Leu Lys Gly
77  1               5                  10                  15
78 Val Gln Cys Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln
79              20                  25                  30
80 Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
81          35                  40                  45
82 Ser Asn Tyr Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
83      50                  55                  60
84 Glu Trp Val Ser Ala Ile Ser Ala Ser Gly His Ser Thr Tyr Leu Ala
85 65                  70                  75                  80
86 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn
87                  85                  90                  95
88 Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val
89              100                 105                 110
90 Tyr Tyr Cys Ala Lys Asp Arg Glu Val Thr Met Ile Val Val Leu Asn
91          115                 120                 125
92 Gly Gly Phe Asp Tyr Trp Gly Gln Gly Thr Arg Val Thr Val Ser Ser
93      130                 135                 140
94 Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys
95 145                 150                 155                 160
96 Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
97                  165                 170                 175
98 Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
99              180                 185                 190
100 Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
101          195                 200                 205
102 Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
103      210                 215                 220
104 Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
105 225                 230                 235                 240
106 Arg Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
107                  245                 250                 255
108 Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro
109              260                 265                 270
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/848,832

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Input Set : A:\HOOO1-NPOO2 SEQLIST.TXT
Output Set: N:\CRF3\05162001\I848832.raw

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110 Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
111         275                 280                 285
112 Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
113         290                 295                 300
114 Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
115 305                 310                 315                 320
116 Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
117             325                 330                 335
118 His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
119         340                 345                 350
120 Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
121         355                 360                 365
122 Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu
123         370                 375                 380
124 Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
125 385                 390                 395                 400
126 Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
127             405                 410                 415
128 Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
129         420                 425                 430
130 Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
131         435                 440                 445
132 Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
133         450                 455                 460
134 Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
135 465                 470
137 <210> SEQ ID NO: 4
138 <211> LENGTH: 234
139 <212> TYPE: PRT
140 <213> ORGANISM: Homo sapien
142 <400> SEQUENCE: 4
143 Met Glu Ala Pro Ala Gln Leu Leu Phe Leu Leu Leu Leu Trp Leu Pro
144 1                 5                 10                  15
145 Asp Thr Thr Gly Glu Ile Val Leu Thr Gln Ser Pro Ala Thr Leu Ser
146             20                  25                  30
147 Leu Ser Pro Gly Glu Arg Ala Thr Leu Ala Cys Arg Ala Ser Gln Thr
148         35                  40                  45
149 Ala Ser Arg Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro
150     50                  55                  60
151 Arg Leu Leu Ile Tyr Asp Thr Ser Asn Arg Ala Thr Gly Ile Pro Ala
152 65                  70                  75                  80
153 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Ser
154             85                  90                  95
155 Ser Leu Glu Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Arg Phe
156         100                 105                 110
157 Asn Trp Pro Trp Thr Phe Gly Gln Gly Thr Lys Val Glu Phe Lys Arg
158         115                 120                 125
159 Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln
160         130                 135                 140
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Input Set : A:\HOOO1-NP002 SEQLIST.TXT
Output Set: N:\CRF3\05162001\I848832.raw

```
161 Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr
162 145             150                 155                 160
163 Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser
164             165                 170                 175
165 Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr
166             180                 185                 190
167 Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys
168         195                 200                 205
169 His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro
170     210                 215                 220
171 Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
172 225                 230
174 <210> SEQ ID NO: 5
175 <211> LENGTH: 20
176 <212> TYPE: DNA
177 <213> ORGANISM: Homo sapien
179 <400> SEQUENCE: 5
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182 <210> SEQ ID NO: 6
183 <211> LENGTH: 20
184 <212> TYPE: DNA
185 <213> ORGANISM: Homo sapien
187 <400> SEQUENCE: 6
188 actcatttac ccggggacag                                       20
190 <210> SEQ ID NO: 7
191 <211> LENGTH: 20
192 <212> TYPE: DNA
193 <213> ORGANISM: Homo sapien
195 <400> SEQUENCE: 7
196 agcatggaag ccccagctca                                       20
198 <210> SEQ ID NO: 8
199 <211> LENGTH: 21
200 <212> TYPE: DNA
201 <213> ORGANISM: Homo sapien
203 <400> SEQUENCE: 8
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VERIFICATION SUMMARY   DATE: 05/16/2001
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Input Set : **A:\HOO01-NP002 SEQLIST.TXT**
Output Set: **N:\CRF3\05162001\I848832.raw**

L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date